

# Systems Farming with Allis-Chalmers

REC 1/12/65

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# Modern tractors and machinery win time to plan...to manage...

New scientific breakthroughs . . . changing economic conditions . . . the trend toward fewer, larger and more specialized farms — all these keep farming systems in a continuous state of change. You are aware of it, and so are the people at Allis-Chalmers. They have been in the forefront of the efforts to provide equipment tailored to make the most of these changing conditions. Some Allis-Chalmers people have developed new tractors for working big and small acreages. Others worked on GLEANER combines to harvest any grain, seed or corn crop efficiently. Still others designed implements tailored to the most modern farming methods.

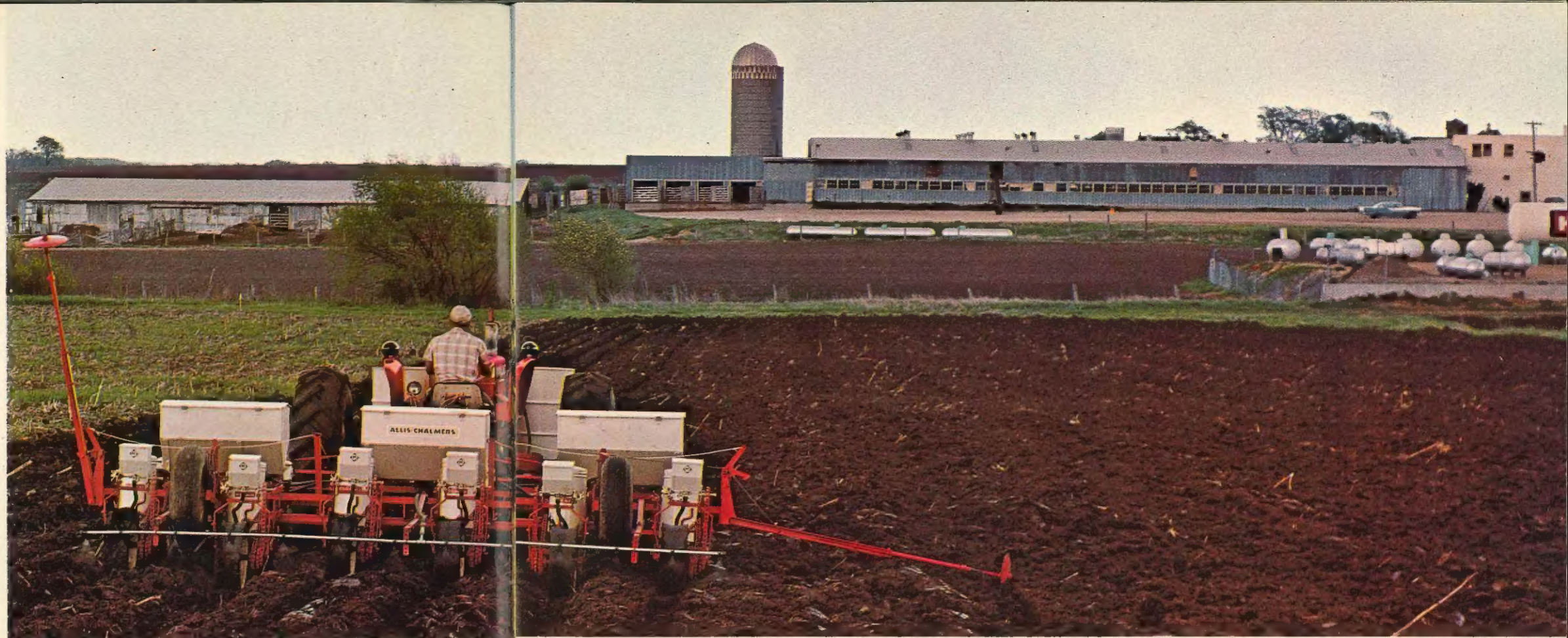
Because of this continuing effort, your Allis-Chalmers dealer has machinery that matches the changing needs of agriculture in your area. He knows how it should be used for best results. He's a good man to keep in touch with . . . a good man to talk with when you're reviewing your farming system.

The new ONE-NINETY tractor and the 8-row planter speed corn planting. Seed, fertilizer, insecticide and herbicide are accurately placed in a single trip.





# Corn Country Money Makers



Wheel track planting is an all-in-one operation, as corn and fertilizer are accurately placed in soil firmed by the tires. Pre-emerge spray, spread at the same time, controls weeds to delay, often eliminate, the first cultivation.

## Narrow rows and wheel track planting can increase yields . . . cut costs



The narrow row system of corn production can result in more bushels per acre while reducing time spent in the field and machinery investment — especially when it is combined with applica-

tion of fertilizer and chemicals and the use of minimum tillage methods. Your Allis-Chalmers dealer has the equipment to handle the job from planting to harvest. Immediately after turning over the ground with a moldboard plow, plant the field with a six-row wheel track planter. One trip takes care of getting the seed in the ground, fertilizing, and pre-emerge spraying. You won't have to go back into the field until it's time to cultivate with a six narrow row unit. At harvest time, swing into the field with a GLEANER Model A combine with an Allis-Chalmers three-row corn head. Your Model A<sup>II</sup> can double as a soybean harvester, since it can be quickly changed over to a grain header.



The three-row Allis-Chalmers corn head on the Model A<sup>II</sup> GLEANER Combine handles corn in rows from 28 to 32 inches wide. The adjustable stripper plates save shelled corn.



The D21 tractor handles the semi-mounted 9000 Series plow turning tough sod for wheel track planting.

The rear-mounted, six-row cultivator mounts easily on the 3-point hitch of the Series IV D-17 tractor. Gauge wheels on cultivator gangs assure working at accurate depth.



# Corn Country Favorites



The big D-21 tractor, equipped with 3-point hitch, handles big acreages swiftly with the eight-row cultivator. Gangs are flexible to follow contours. Outer gangs fold hydraulically to reduce transporting width.

Combined tillage methods . . . . .  
Gain growing days . . . . . Cut field operations



The Model C<sup>11</sup> GLEANER Combine with 4-row corn head is the Giant of the Harvest with threshing and cleaning capacity to handle high-yielding crops.



Combined tillage gains growing days for your corn and lets you put in the crop with fewer trips through the field . . . and you don't have to alter your cropping methods greatly to take advantage of it. The tractors and implements to handle the operation are available from your Allis-Chalmers dealer.

You can plow the crop land in either the spring or the fall. Then, at planting time, hitch a disc harrow or field cultivator ahead of your planter, which will have attachments for spreading fertilizer and chemicals. One trip across the field will place the seed in well-worked soil and lay down fertilizer and chemicals.

Any weeds the chemicals don't take care of can be handled quickly with an 8-row, rear-mounted cultivator. When the crop's ready, harvest it fast with a GLEANER combine with corn head or a tractor-mounted corn picker.

The ONE-NINETY tractor with fast response TRACTION BOOSTER handles the big, 5-bottom plow right through the tough spots.



It's a fast, once-over planting job with the ONE-NINETY tractor equipped with mounted coil shank

cultivator and the 4-row planter. Seed, fertilizer, insecticide and herbicide are accurately placed.





# Dairy Country Money Makers



The versatile Series II D-15 tractor is ideal for planting. The 4-row planter is equipped to place seed, fertilizer and pre-emerge spray.



The 3-point hitch on the ONE-NINETY tractor makes it easy to mount the 4-row cultivator . . . get ahead of weeds . . . change to other season operations.



The 780 forage harvester with 2-row row crop attachment chops the crop finely and delivers it to the Allis-Chalmers front unloading power feed box. The ONE-NINETY tractor provides economical power.

For fine chopping . . . for big capacity . . . .



The POWER-CRATER engine in the Series IV D-17 tractor easily handles the 4-bottom plow in tough sod.



Allis-Chalmers tractors . . . 780 forage harvesters



The tractor operator easily controls the rate of feed from the Allis-Chalmers front unloading power feed box to the hopper of the 480-S blower. The Series II D-15 drives the blower with power to fill tall silos.



High quality, finely chopped corn silage is an important part of many livestock feeding programs. Your Allis-Chalmers dealer has the equipment to put better silage in front of the stock at low cost.

Prepare the seedbed with an Allis-Chalmers moldboard plow and deep cutting disc harrow. Get the crop off to a fast start by planting as soon as the soil is warmed up. With an Allis-Chalmers planter and attachments you can plant, place fertilizer accurately, and put down pre-emerge spray.

During the growing season, keep the weeds down with an Allis-Chalmers cultivator. When the crop is ready to harvest, the Allis-Chalmers one or two-row forage harvester chops the crop fine and fast. Allis-Chalmers power unloading wagons speed the silage from field to silo where an Allis-Chalmers blower takes care of filling. The result — good quality silage at reasonable cost.

The Series II D-15 tractor is equipped with Traction Booster hitch which activates the TRACTION BOOSTER system to transfer weight to handle the deep cutting disc harrow.





The Series III D-12 with its independent power take-off is an ideal unit to operate a sprayer. Power take-off drive can be engaged and disengaged on the go.

## Corn and Bean Money Makers



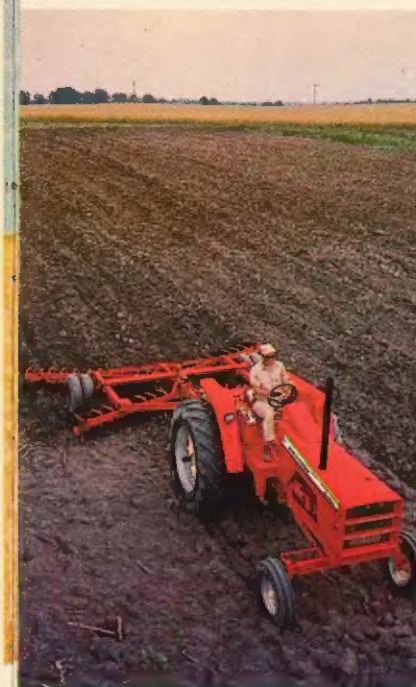
The Series II D-15 is an ideal tractor for planting . . . quick and easily maneuvered. The 4-row planter is equipped with fertilizer, granular herbicide and insecticide attachments.



If corn and soybeans are your crops, it's important to have machinery built to do double duty — equipment such as you'll find at your Allis-Chalmers dealer.

It'll pay you to use well-adapted seed and plant it in soil well prepared with an Allis-Chalmers plow and disc. In many cases it's also good practice to fertilize and place pre-emerge spray as you plant — an easy job with Allis-Chalmers planter and attachments. Allis-Chalmers has the cultivators and sprayers you need while the crop is maturing — and the GLEANER combines for harvesting. A GLEANER combine is equally at home in corn or beans. All it takes is a quick change from two-, three-, or four-row corn head to regular header.

The Model A<sup>11</sup> GLEANER Combine handles soybeans or small grain with the header . . . can quickly be changed to operate a corn head. Tailor your GLEANER Combine to your needs. Add to your comfort with an Allis-Chalmers cab.



The operator of the ONE-NINETY tractor finds levers controlling starting, stopping, changing speed, implement depth, TRACTION BOOSTER and hydraulics grouped in the Console. He has full control of the deep cutting disc harrow.

As the operator approaches a grassed waterway he lifts the plows hydraulically by touching control levers on the Console.



The Series III D-12 tractor has a live hydraulic system like the big tractors . . . convenient controls to raise, hold, lower and provide TRACTION BOOSTER.



## Handle corn and beans fast with Allis-Chalmers machinery





# Money Makers in Hay



Hay is too valuable a crop to be trusted to anything but the best haying equipment. Allis-Chalmers mowers, rakes, hay conditioners, balers, bale loaders and conveyors are outstanding performers. Allis-Chalmers mowers come in trail, rear-mounted, or side-mounted models all with TWIN-WHEEL drive. Exclusive TWIN-WHEEL drive means fast, clean cutting with high sickle speed. An Allis-Chalmers hay conditioner means fast curing of hay. The 77-G parallel bar rake makes just the kind of windrow you want. The 303 baler with either twine or wire has capacity to match this haying system. Its twin-feed rake principle moves hay smoothly, gently to the bale chamber. Complete the automation of your haying operation with an Allis-Chalmers bale conveyor.



The 80-R3 mower mounts easily on the 3-point hitch of the Series II D-15 tractor. Hook the hay conditioner behind to speed curing of hay.

The maneuverability of the Series II D-15 tractor makes it ideal to pull the 77-G rake. The parallel bar action provides short hay travel, makes just the kind of windrows you want.



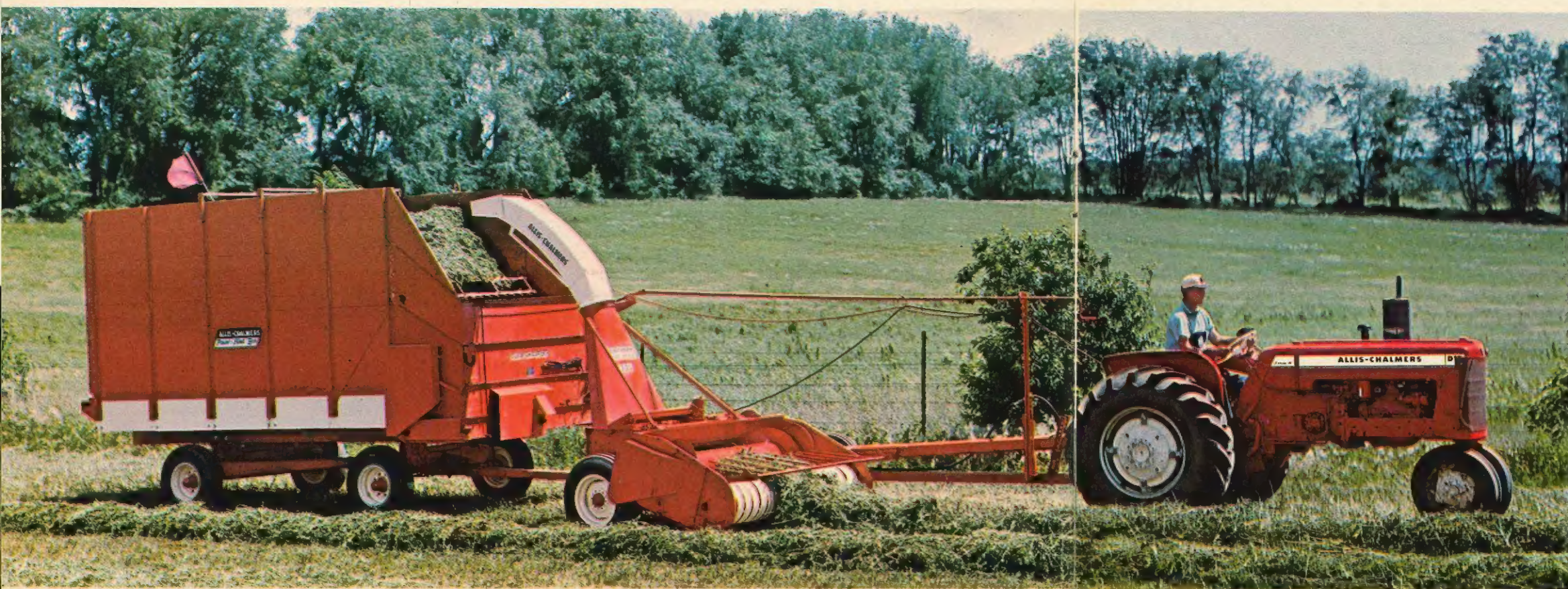
Make quality hay . . . with weather beating

Allis-Chalmers machines



The Series II D-15 tractor is a fast stepping unit to work with the big capacity 303 baler. Equipped with the bale thrower attachment you have one-man hay making at its best.





How you handle your hay crop depends on many things — climate, kind and quality of hay, how the crop will be used, the labor and equipment available.

Whether you bale it or chop it, it's important that you have the machinery to do the job right.

Allis-Chalmers people have worked closely with crop experts to develop equipment that will handle hay best. The TWIN-WHEEL driver mower, the hay conditioner and the 77-G parallel bar rake, teamed with an Allis-Chalmers tractor, are basic machines for making haylage or chopped hay. The big-capacity 780 forage harvester is a natural for picking up windrows or for direct cutting for green chop or grass silage. Allis-Chalmers front or rear unloading power feed boxes speed handling to feed lot or storage. Allis-Chalmers blowers match capacity with the big 780 forage harvester.

Talk over your haying plans with your Allis-Chalmers dealer.

The crop is harvested quickly with the D-17 powered 780 forage harvester equipped with pickup attachment. The thirty six inch cut-and-throw cylinder chops material finely and blows it into an Allis-Chalmers rear unloading power feed box.

Key machines in your system.... Allis-Chalmers tractors and 780 forage harvesters

## Money Makers in Chopped Crops



The front unloading power feed box delivers the chopped material in a smooth, uniform flow to the hopper of the ton-a-minute 480-S forage blower. The D-15 tractors deliver smooth power to fill tall silos.



You can make just the type of windrow you want with the V-belt drive 77-G parallel bar rake pulled by the nimble Series III D-12 tractor.

The 82-S side mounted TWIN-WHEEL drive mower on the Series II D-15 tractor cuts a clean swath in any hay crop.





The tractor is the backbone  
of any farming system...

"Just look at him go, folks . . . and listen to that power!" Capable tractor power is the basis of any good farming system. One of the best ways to learn more about Allis-Chalmers tractors is at a Field Day, put on by your Allis-Chalmers dealer. You and your neighbors can see and drive every model. The ONE-NINETY is designed to convert more of its power into useful work than any 5-bottom tractor ever did before. It's plowing effortlessly just now, and it could go on the same way till long after dark, thanks to the day-long fuel tank. It's so easy on the driver, too, on that contoured seat with console control under his

hand, and three separate hydraulic circuits to multiply his muscles. You can see these tractors all have muscle where it counts . . . Like the versatile Series IV D-17 discing back there . . . or the mighty D-21 in front of us . . . There's brute force that'll be stepping out with 7 plows. The trim, hustling D-15 is set for a 3-plow showing. The D-12 hitched to the flat-bed is capable of handling 3 plows in many soils. The D-10, with the same horsepower is tailored for one-row work.

Take time to try these tractors . . . the big ones from the tractor people . . . Allis-Chalmers.





The Allis-Chalmers cotton picker puts more spindles in the picking area to deliver clean, dry, fluffy cotton to the basket. There's quick steering response with the wheel along side the picking unit. The D-17 tractor under the one row picker can easily be converted for regular field work.

# Money Makers in Cotton

Where Cotton is



Throw up beds swiftly with the husky, four-row disc bedder mounted on the 3-point hitch of the Series IV D-17 tractor.



Cotton seed is accurately placed in warm soil by the 4-row planter mounted on the 3-point hitch of the ONE-NINETY tractor. Laying down pre-emerge spray at the same time controls early weed growth.

The Series IV D-17 tractor . . . the same unit that drives the cotton picker . . . is equipped with 3-point hitch . . . has TRACTION-BOOSTER to balance power needs when operating the four-bottom plow in tough soil.



king . . . so is Allis-Chalmers machinery



The Traction Bar hitch operating in connection with the SNAP-COUPLER on the Series II D-15 tractor activates the TRACTION BOOSTER to transfer weight to provide added traction to handle the big double disc.



Improved weed and insect controls as well as economic pressures have brought many changes in cotton farming. Mechanization from tillage to harvesting has come swiftly. Allis-Chalmers has kept pace by developing tractors and equipment to reduce labor costs, get the job done on time and leave more time to manage. There is an Allis-Chalmers tractor powered for every size farm. Implements matched to each tractor handle plowing, seed bed preparation, planting and cultivation. All are designed to keep production costs in line. Allis-Chalmers cotton pickers have earned a reputation for delivering cotton that grades high and is easy to gin . . . no picker twist, oil stain or deeply imbedded trash.

Your Allis-Chalmers dealer will be glad to show you why Allis-Chalmers equipment will help you to more profit.





The six-row bedder planter places cotton seed accurately with an independent, positive drive to each planting unit. Mounted on a D-19 tractor, it operates equally well on ONE-NINETY or D-21 tractors.



As cotton growing and harvesting methods have improved over the years, yields have increased, but the basis for grading cotton samples is the same. To bring a top price, cotton must be clean, dry, free of twist, foreign material and stains. That's the kind of cotton all models of Allis-Chalmers cotton pickers deliver.

Modern cotton production demands high-horse-power tractors with job-matched plows, harrows, planters, cultivators and other implements. Allis-Chalmers people have worked closely with cotton growers across the country to make sure there's Allis-Chalmers equipment that'll match the needs of every grower.

Your Allis-Chalmers dealer has the know-how to help you select the tractors, implements, and cotton pickers that suit your growing methods.



The ONE-NINETY tractor has the power and the balance to operate the 3-bottom spinner plow which turns all the furrows the same way.



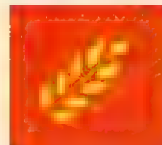
The ONE-NINETY tractor pulls the deep cutting Model K disc harrow in seedbed preparation.

## Money Makers in Cotton



The Model 622 two-row cotton picker has capacity for high yielding cotton . . . with recessed barb spindles . . . "slide-action" stripping . . . jet air stream delivery to the basket . . . to deliver high grading samples.





How many times have you heard an elevator man say, "Here's another load from a GLEANER combine!"? He knew it as soon as he looked at the grain . . . or beans . . . or corn . . . or whatever the crop was. He knew it because GLEANER combines have proved their ability and versatility in every commercial crop from fine grass seed to big, brittle beans . . . because a GLEANER harvest is a cleaner harvest. Behind a bumper crop ready for harvesting lies efficient tillage with tractors, such as the big Allis-Chalmers D-21, and job-matched implements like the Allis-Chalmers chisel plow and tandem-hitched disc harrows. No matter what crop you raise, your Allis-Chalmers dealer has the equipment to help you cut production costs and increase yields. Drop in and talk over your plans for next year with him.



These six Model C<sup>11</sup> GLEANER combines, equipped with 24-foot headers, are truly the "Giants of the Harvest" as they make short work of section-size fields.

Gleaner Combines....the great silver fleet....Performance proved in many crops....from Canada to the Gulf

Grain  
Country  
Money  
Makers



There is heavy work for this Model C<sup>11</sup> GLEANER combine with its 24-foot header as it cuts and threshes maize.



"Cracking" the throttle of the big diesel engine of the D-21 tractor means power to pull disc harrows in tandem . . . chopping, mixing and working up 30-foot swaths.



Swing through summer fallow with the powerful D-21 tractor and the 28-foot chisel plow. There's power at the drawbar, reserve power at the engine, to take care of the tough pulls.



It's in plowing the D-21 shows it's the leader as it handles the 7-bottom plow in stubble. The engine has lugging power to pull through tough spots.



# Money Makers in Many Crops



Growers of tiny grass seed, which require extreme care in separating and cleaning, use GLEANER combines. So do growers of fragile varieties of beans, which must be threshed gently. In fact, GLEANER combines are preferred everywhere that crops

are hard to handle and harvesting conditions are tough. They can be equipped to handle special crops and adjusted to put a clean crop in the bin.

Allis-Chalmers also has the tractors and implements to handle specialty crops. High clearance and narrow-row tractors for working vegetables, for example, and six-row planters and cultivators for crops like pinto beans. Talk your requirements over with your Allis-Chalmers dealer.

White beans grown and windrowed in Ontario are picked up cleanly, threshed gently, and cleaned thoroughly by the capable GLEANER combines.



## Gleaner Combines . . . . . Preferred in hard-to-handle crops



Dry beans are an important crop grown on steep Oregon hills. The big CH Hillside Special GLEANER Combines do an exceptional job with this brittle crop.



GLEANER Combines with pick-up attachments handle windrowed barley in North Dakota. Threshing is gentle to deliver high grading barley.

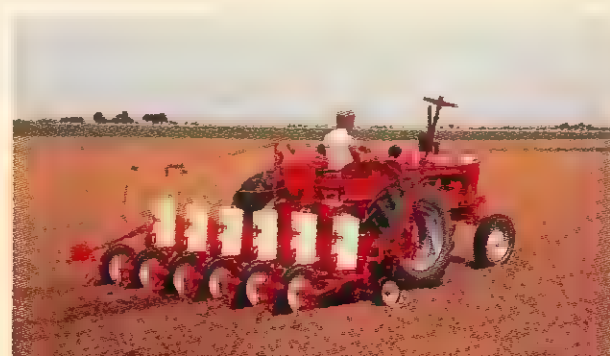


Barley, grown on the steep slopes of Eastern Washington, is cut and threshed easily with the big, self-leveling CH GLEANER Combine.



The big C<sup>11</sup> GLEANER Combines cuts and threshes heavy rye in Colorado. Separating and cleaning areas are large to put clean grain in the bin.

Pinto beans grown in Colorado are planted accurately with the six-row narrow planter, operated by the Series II D-15 tractor.



Tool bars allow setting shovels to accurately cultivate narrow row crops, such as beans. The quick maneuverability of the Series II D-15 make it ideal power.



# Hillside Money Makers



The GLEANER CH "Hillside Special" Combine levels as the header pivots to cut the crop on steep hillsides. The operator rides high, at the center line of the machine, where he can see and control every phase of operation.



As the Model CH GLEANER moves smoothly along on the contour, the big tires grip the slope and carry the machine easily.

When steep hillsides challenge, count on Gleaner

combines...Allis-Chalmers crawler tractors



The HD-11 crawler has the power and balance to handle the deep cutting Model L disc harrow, working right up to the spools.



Growing and harvesting crops on steep hillsides is a real challenge, but Allis-Chalmers has the machinery to meet it. Slope farming calls for Allis-Chalmers "Hillside Special" GLEANER combines and hard-pulling crawler tractors with job-matched implements. GLEANER combines have earned their reputation on the slopes with an unbeatable combination of top performance, ease of handling and adjustment, rugged dependability, and precision workmanship. They hug the hillside as hydraulic rams automatically level the combine to keep the threshing, separating and cleaning shoe operating efficiently. The operator has full, accurate control at all times. Whether the job is preparing the seedbed, planting or working summer fallow, Allis-Chalmers crawler tractors are able to pull big loads and stay "on course" on the steepest slopes. They have a low center of gravity and the balance to keep all the grouser in the ground and pulling. If you do your farming on hillsides, your Allis-Chalmers dealer is the man to see for efficient equipment.



The HD-16 crawler tractor easily handles the big subsoiler to rip hard pan.



The HD-6 crawler tractor pulls the heavy L harrow as heavy crop residues are chopped and mixed into the soil.



# Rice Country Money Makers



The Model CR GLEANER takes the racking and twisting of operation over levees as it harvests rice. There's capacity to thresh and clean the tough rice.

## Put tractor muscle in material handling

Cleaning barns and feedlots . . . maintaining roads, lanes and ditches . . . digging post holes — these are a few of the time-consuming jobs you can speed up with tractor power. Your Allis-Chalmers dealer has the tractors and low cost attachments to help you cut down the drudgery and time-waste of many of your chores.



The rear mounted scoop on the Series II D-15 tractor is ideal for loading, carrying and dumping earth, rock, etc.

## When mud takes a toll, Allis-Chalmers Tractors,



Rice growing demands tractors, tillage tools, and harvesting equipment that will take the punishment of long hours of operation in mud and water. The place to find that kind of machinery is at your

nearby Allis-Chalmers dealer's. He's got tractors with the power and weight to handle big loads under tough conditions — and he's got implements that are just as rugged as the tractors. For harvesting, he has the CR "Rice Special" GLEANER combine with your choice of rice tires or crawler tracks for maximum flotation and traction in extremely muddy, wet conditions. Like all GLEANER combines, the "Rice Special" has a powerful Allis-Chalmers engine, true center line design for proper weight distribution, and a well-deserved reputation for delivering cleaner grain under any kind of harvesting conditions.



The power of the big diesel engine in the D-21 tractor enables it to handle the tough plowing conditions of the rice fields.



The full-time power steering of the D-21 tractor soaks up shocks of discing with the big tandem harrow.

## Implements and Gleaner Combines take over



The hydraulic loader on the Series II D-15 tractor can be the most useful material handling unit on many farms.



The Series II D-15 tractor provides quick, maneuverable power as the rear blade, mounted on the 3-point hitch, is used to reshape a farm road.



Speed fence building by using a Series II D-15 tractor with the PTO driven, 3-point hitch mount post hole digger.



The Allis-Chalmers line of manure spreaders includes single and multiple beater models in 95, 140 and 180 bushel sizes for any livestock farm.



# Champions

## Gleaner Combines

Gleaner . . . A National Champion 1962-63 . . . sets new record in 1964



Winning corn-shelling championships happens quite regularly with GLEANER Combines; but, more important, this same championship performance is experienced every day by GLEANER Combine owners. Contest judges find little corn on the ground behind a GLEANER Combine, and there's a clean sample in the bin . . . exactly the kind every owner knows he will get from his GLEANER Combine. The farmer too knows that, in everyday operation, this same GLEANER efficiency puts dollars in his pocket.



Tom Metcalf, Janesville, Wisconsin, displayed championship form to win in the State of Wisconsin in 1964 and go to the National.



Lawrence Fisher, Palmyra, Michigan, operated his Model A GLEANER Combine to win National Championships in 1962 and 1963 then scored .002 of a percentage point from first place in 1964 to again break his own world record.



James Sherman, Adrian, Michigan driving his Model E GLEANER Combine represented the State of Michigan as a contestant in the 1964 National Contest.



Byron Bicknese, Okabena, Minnesota, won the 1964 Minnesota championship with his Model E GLEANER, to qualify for the National Contest.



Lawson Summers, Cainsville, Missouri took the 1964 championship in Missouri with his Model E GLEANER Combine to reach the National.

# Allis-Chalmers Corn Pickers



Allis-Chalmers corn pickers have proved their superior effectiveness in saving the corn crop and picking clean loads. They have been entered in many corn picking contests, winning the national championship in 1963, as well as three state championships in 1964. This championship performance carries over to any corn field in which they work. The stripper plate design keeps ears from contacting snapping rolls, prevents shelling of tips and butts. The rubber-on-rubber action of the eight extra long husking rolls strip off husks to deliver clean ears to the load.



Arlyn Zee, Albany, Wisconsin, with his Model 170 corn picker was the Wisconsin and National champion in 1963 and placed high in the 1964 National contest.



Tom Fennwald, Ladonia, Missouri, was the 1964 corn picking champion of Missouri with his Model 170 corn picker.



Warren Reppen, Edgerton, Wisconsin, won the 1964 Wisconsin State championship with his Model 190 corn picker.



Dan Coulter, Reinbeck, Iowa, drove his Model 170 corn picker to win the Iowa championship in both 1963 and 1964.





# Time saver on lawn and garden chores

You get lawn and garden chores out of the way fast with an Allis-Chalmers B-10 tractor. Use it with plow, rotary tiller, disc harrow and cultivator to whisk through garden work. Operate with mower, dump cart and roller to take care of the lawn. In winter, use with snow thrower or plow to clear snow. Use it with the generator to run power tools where an electrical outlet isn't available. The B-10 is year around power and you'll keep finding work for it.

Ask your Allis-Chalmers dealer to tell you about the B-10 and all its handy attachments. It's easy to own, easy to operate . . . and it comes from the tractor people who build the big ones.



Ask about the Allis-Chalmers time payment plan.

## **ALLIS-CHALMERS**

SALES AND SERVICE

GLENER, POWER-CRATER, TRACTION BOOSTER, SNAP-COUPLER AND TWIN-WHEEL are Allis-Chalmers trademarks.